



OL800

Solar LED Obstruction Light



Standard

Compact

The OL800 is an integrated solar solution that includes a high-efficiency LED light source, solar panels and battery.

Per section 13.8 of FAA AC 70/7460-1L, a steady-burning red L-810 light is required during construction if the permanent L-864 flashing lights are not in place. If power is not available, structures should be lit with a self-contained, solar-powered, steady-burning red LED light that meets the photometric requirements of an FAA L-810.

Created to meet requirements for FAA L-810, ICAO low intensity Type A/Type B and CAR 621 CL-810, the OL800 is easy to install. It requires minimal maintenance and is ideal for temporary installations like MET towers and during wind farm construction.

OL800 COMPACT









- 9.9 lbs (4.5 kg)
- 63 Wh battery pack
- Suitable for at least 7 days autonomy in mid to high sun locations

OL800 STANDARD

- 14 lbs (6.4 kg)
- 100 Wh battery pack
- 7-10 days battery autonomy
- Provides reliable solar obstruction lighting over a wider geographical range

OL800

GENERAL SPECIFICATIONS

Temperature	- 40 to 176° F (-40 to 80°C) maximum -22 to 122°F (-30 to 50°C) optimal
Weight	Compact - 9.9 lbs. (4.5 kg) Standard - 14 lbs. (6.4 kg)
Battery	Compact - X-cells (63 watt-hour) Standard - E-cells (100 watt-hour)
Mounting	3 or 4 hole, 7.87" (200mm) bolt circle mounting pattern
Wind Loading	140 knots (72 m/s)
Ice Loading	0.03 PSI (22 kg/m ²)
Optical	High-powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product Meets requirements for CASA 10 Cd (part 139, Vol 2) Steady-on and 250+ flash patterns
Energy Storage	EnerSys CYCLON pure-lead VRLA AGM battery -85 to 176°F (-65 to 80°C) manufacturers operating range On-board battery status Designed for 5-year battery life; Replaceable and recyclable
Construction	Premium grade UV resistant, polycarbonate lens/head Environmentally friendly, durable powder coated aluminum chassis (applied by trivalent chromate process) Thermoplastic gaskets Waterproof, vented battery compartment Integrated handle Bird deterrent included
Automatic Light Control	Can be turned on or off to adjust output intensity in response to unusually low amounts of sunlight to ensure continued operation
GPS Synchronization	Optional GPS enables two or more lights to flash in unison
Shock and Vibration	MIL-STD-202G (for shock and vibration)
Ingress	EN 60529 IP 69 immersion MIL-STD-202G immersion & damp heat cycling MIL-STD-810G rain & salt fog
Electrostatic Discharge	FAA-STD-0193, EN6100-4-2
Certifications	       



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